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IV00-002.X/006

June 16, 2004

To: Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Fr: George O. Saile, Reg. No. 19,572  
28 Davis Avenue  
Poughkeepsie, N.Y. 12603

Subject: | Serial No. 10/804,658 03/19/04 |

Monsong Chen et al.

STREAMING WHILE FETCHING BROADBAND  
VIDEO OBJECTS USING HETEROGENEOUS  
AND DYNAMIC OPTIMIZED SEGMENTATION  
SIZE

ASSOCIATE POWER OF ATTORNEY

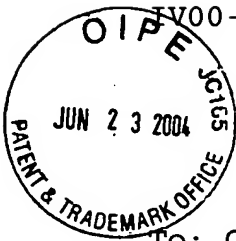
I hereby appoint Billy Knowles, registration number  
42,752, as my associate attorney in this case. His telephone  
number is (845) 331-3866.

Please continue to direct all correspondence in this case  
to the undersigned attorney.

Respectfully submitted,

Stephen B. Ackerman,

Principal attorney of record



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#### INFORMATION DISCLOSURE STATEMENT

Enclosed is Form PTO-1449, Information Disclosure Citation  
In An Application.

The following Patents and/or Publications are submitted to  
comply with the duty of disclosure under CFR 1.97-1.99 and  
37 CFR 1.56.

#### CERTIFICATE OF MAILING

I hereby certify that this correspondence is being  
deposited with the United States Postal Service as first class  
mail in an envelope addressed to: Commissioner for Patents,  
P.O. Box 1450, Alexandria, VA 22313-1450, on June 21, 2004.

Stephen B. Ackerman, Reg.# 37761

Signature/Date

 6/21/04

U.S. Patent 6,101,546 to Hunt, "Method and System for Providing Data Files that are Partitioned by Delivery Time and Data Type," describes a method and system for providing data files that are partitioned by delivery time and data type.

U.S. Patent 6,018,359 to Kermode et al., "System and Method for Multicast Video-on-Demand Delivery System," illustrates a system and method for multicast video-on-demand delivery system.

U.S. Patent 5,930,473 to Teng et al., "Video Application Server for Mediating Live Video Services," discloses a video application server for mediating live video services.

U.S. Patent 5,805,821 to Saxena et al., "Video Optimized Media Streamer User Interface Employing Non-blocking Switching to Achieve Isochronous Data Transfers," teaches a video optimized media streamer user interface employing non-blocking switching to achieve isochronous data transfers.

U.S. Patent 5,550,577 to Verbiest et al., "Video on Demand Network, Including a Central Video Server and Distributed Video Servers with Random Access Read/Write Memories," illustrates a video on demand network, including a central video server and distributed video servers with random access read/write memories.

U.S. Patent 5,933,603 to Vahalia et al., "Video File Server Maintaining Sliding Windows of a Video Data Set in Random Access Memories of Stream Server Computers for Immediate Video-on-Demand Service Beginning at any Specified Location," teaches a video file server maintaining sliding windows of a video data set in random access memories of stream server computers for immediate video-on-demand service beginning at any specified location.

U.S. Patent 5,822,603 to Hansen et al., "High Bandwidth Media Processor Interface for Transmitting Data in the Form of Packets with Requests Linked to Associated Responses by Identification Data," describes a high bandwidth media processor interface for transmitting data in the form of packets with requests linked to associated responses by identification data.

U.S. Patent 5,737,747 to Vishlitzky et al., "Prefetching to Service Multiple Video Streams from an Integrated Cached Disk Array," describes a video file server for prefetching to service multiple video streams from an integrated cached disk array.

U.S. Patent 6,088,721 to Lin et al., "Efficient Unified Replication and Caching Protocol," teaches an efficient unified replication and caching protocol.

U.S. Patent 6,061,504 to Tzelnic et al., "Video File Server Using an Integrated Cached Disk Array and Stream Server Computers," illustrates a video file server using an integrated cached disk array and stream server computers.

U.S. Patent 5,926,649 to Ma et al., "Media Server for Storage and Retrieval of Voluminous Multimedia Data," teaches a Media server for storage and retrieval of voluminous multimedia data.

U.S. Patent 5,936,659 to Viswanathan et al., "Method for Video Delivery Using Pyramid Broadcasting," illustrates a method for broadcasting movies within channels of a wide band network by breaking the communications path into a number of logical channels and breaking each movie up into a number of segments of increasing size.

U.S. Patent 5,973,679 to Abbott et al., "System and Method for Media Stream Indexing," describes an indexing method for allowing a viewer to control the mode of delivery of program material.

U.S. Patent 5,608,448 to Smoral et al., "Hybrid Architecture for Video on Demand Server," describes a hybrid architecture for a video on demand server.

U.S. Patent 5,996,015 to Day et al., "Method of Delivering Seamless and Continuous Presentation of Multimedia Data Files to a Target Device by Assembling and Concatenating Multimedia Segments in Memory," describes a method of delivering seamless and continuous presentation of multimedia data files to a target device by assembling and concatenating multimedia segments in memory.

"Network Caching Guide," Gould, Patricia Seybold Group for Inktomi Corp., Boston, MA, March 1999, pp. 1-41, describes the various types of caching approaches and the different ways for caches to be implemented.

"Inktomi Traffic Server - Media Cache Option," Inktomi Corp., San Mateo CA, 1999, found <http://www.inktomi.com>, 8/15/00, describes the caching option for the Inktomi Traffic Server to support streaming of video data files.

"Implementing Multiplexing, Streaming, and Server Interaction for MPEG-4," Kalva et al., IEEE Trans. on Circuits and Systems for Video Tech., Vol. 9, No. 8, Dec. 1999, pp. 1299-1312, describes the implementation of a streaming client-server system for object-based audio-visual presentations in general and MPEG-4 content in particular.

"Optimal Scheduling of Secondary Content for Aggregation in Video-on-Demand Systems," Basu et al., Boston University, MCL Tech. Report No. 12-16-1998, pp. 1-24, describes dynamic service aggregation techniques that can exploit skewed access popularity patterns to reduce the costs of building interactive VoD systems.

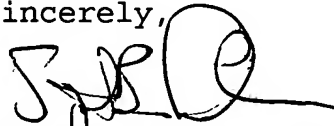
"New Solution for Transparent Web Caching: Traffic Server 2.1 Supports WCCP," Inktomi Corp., San Mateo, CA, 2000, found <http://www.inktom.com/products/network/traffic/tech/wccp>, 8/15/00, pp. 1-4, describes the use of the Web Cache Control Protocol (WCCP) from Cisco Systems, Inc. within Inktomi Corporation's Traffic Server.

"API Overview," Inktomi Corp., San Mateo CA, 2000, found <http://www.inktom.com/products/network/traffic/tech/wccp>, 8/15/00, pp. 1-6, describes the application program interface tools that are available for the Inktomi Corporation's Traffic Server which allow customization or the Traffic Server's event processing thus allowing manipulation of hypertext transaction protocol (HTTP) transactions at any point in their lifetime.

"Web Cache Communication Protocol v2", Cisco Systems, Inc., San Mateo, CA, 2000, found <http://www.cisco.com/univercd/cc/td/doc/product/software/ios120/120newft/120t/120t3/wccp.htm>, 8/15/00, pp.1-33, describes the protocol that allows the use of Cisco Cache Engine to handle web traffic, reducing transmission costs and downloading time.

"A Practical Methodology for Guaranteeing Quality of Service for Video-on-Demand," Zamora et al., IEEE Trans. on Circuits and Systems for Video Tech., Vo. 10, No. 1, Feb. 2000, pp. 166-178, describes an approach for defining end-to-end quality of service (QoS) in video-on-demand (VoD) services.

Sincerely,

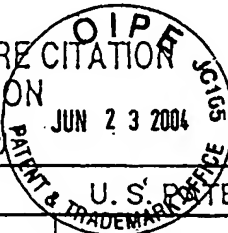
A handwritten signature in black ink, appearing to read 'SBA', with a large circular flourish at the end.

Stephen B. Ackerman,  
Reg. No. 37761



INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)



Docket Number (Optional)

IV00-002.X/006

Application Number

10/804,658

Applicant

Mansong Chen et al.

Filing Date

03/19/04

Group Art Unit

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	AGING DATE IF APPROPRIATE
	6101546	8/8/00	Hunt	709	231	5/14/98
	6018359	1/25/00	Kermode et al.	348	7	4/24/98
	5930473	7/27/99	Teng et al.	395	200.34	3/8/96
	5805821	9/8/98	Saxena et al.	395	200.61	8/5/97
	5550577	8/27/96	Verbiest et al.	348	7	5/19/94
	5933603	8/3/99	Vahalia et al.	395	200.55	6/10/96
	5822603	10/13/98	Hansen et al.	395	800.01	11/22/96
	5737747	4/7/98	Vishlitzky et al.	711	118	6/10/96
	6088721	7/11/00	Lin et al.	709	214	10/20/98
	6061504	5/9/00	Tzelnic et al.	395	200.49	6/10/96
	5926649	7/20/99	Ma et al.	395	826	10/23/96

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Portion of Pages, Etc.)

-	"Network Caching Guide," Gould, Patricia Senbold Group for Inktomi Corp., Boston, MA, March 1999, pp. 1-41.
-	"Inktomi Traffic Server - Media Cache Option," Inktomi Corp., San Mateo, CA, 1999 found <a href="http://www.inktom.com">http://www.inktom.com</a> , 08/15/00.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILED DATE IF APPROPRIATE
	5936659	8/10/99	Viswanathan et al.	348	7	1/31/97
	5973679	10/26/99	Abbott et al.	345	302	3/31/97
	5996015	11/30/99	Dan et al.	709	226	10/31/97
	5608448	3/4/97	Smoral et al.	348	7	4/10/95

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

-	"Implementing Multiplexing, Streaming, and Server Interaction for MPEG-4," Kalva et al., IEEE Trans. on Circuits and Systems for Video Tech., Vol. 9, No. 8, Dec. 1999, pp. 1299-1312.
-	"API Overview," Inktomi Corp., San Mateo, CA, 2000, found <a href="http://www.inktomi.com/products/network/traffic/tech/wccp">http://www.inktomi.com/products/network/traffic/tech/wccp</a> , pp. 1-6, 08/15/00.
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Applicant:

'Mansong Chen et al.

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Group Art Unit

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-	"Web Cache Communication Protocol v2", Cisco Systems, Inc., San Mateo, CA, 2000 found <a href="http://www.cisco.com/univerred/hd/doc/product/software/ios120/120newft/120t/120t3/wccp.htm">http://www.cisco.com/univerred/hd/doc/product/software/ios120/120newft/120t/120t3/wccp.htm</a> 08/15/00, pp. 1-33.
-	"A Practical Methodology for Guaranteeing Quality of Service for on-Demand", Zamora et al., <del>IEEE</del> Trans. on Circuits & Sys. for Vid. Tech. Vol. 10, No. 1, Feb. 2000, pp. 166-178.
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